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--- | --- | --- | --- | --- | --- | --- | --- | --- | | |  | | --- | | 首頁 > 焦點專區 > 負離子商品專區 > 負離子商品Ｑ＆Ａ | | 更新日期： 2019-08-12 | |  | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | Q1： | [負離子是什麼？](https://www.aec.gov.tw/htmlprint/%E7%84%A6%E9%BB%9E%E5%B0%88%E5%8D%80/%E8%B2%A0%E9%9B%A2%E5%AD%90%E5%95%86%E5%93%81%E5%B0%88%E5%8D%80/%E8%B2%A0%E9%9B%A2%E5%AD%90%E5%95%86%E5%93%81%EF%BC%B1%EF%BC%86%EF%BC%A1--218_4241_4244.html#1-1) | | Q2： | [負離子如何產生？哪種會有輻射？](https://www.aec.gov.tw/htmlprint/%E7%84%A6%E9%BB%9E%E5%B0%88%E5%8D%80/%E8%B2%A0%E9%9B%A2%E5%AD%90%E5%95%86%E5%93%81%E5%B0%88%E5%8D%80/%E8%B2%A0%E9%9B%A2%E5%AD%90%E5%95%86%E5%93%81%EF%BC%B1%EF%BC%86%EF%BC%A1--218_4241_4244.html#1-2) | | Q3： | [何謂負離子商品？是否具有促進健康效果？](https://www.aec.gov.tw/htmlprint/%E7%84%A6%E9%BB%9E%E5%B0%88%E5%8D%80/%E8%B2%A0%E9%9B%A2%E5%AD%90%E5%95%86%E5%93%81%E5%B0%88%E5%8D%80/%E8%B2%A0%E9%9B%A2%E5%AD%90%E5%95%86%E5%93%81%EF%BC%B1%EF%BC%86%EF%BC%A1--218_4241_4244.html#1-3) | | Q4： | [負離子商品如何產生輻射？對健康有何影響？](https://www.aec.gov.tw/htmlprint/%E7%84%A6%E9%BB%9E%E5%B0%88%E5%8D%80/%E8%B2%A0%E9%9B%A2%E5%AD%90%E5%95%86%E5%93%81%E5%B0%88%E5%8D%80/%E8%B2%A0%E9%9B%A2%E5%AD%90%E5%95%86%E5%93%81%EF%BC%B1%EF%BC%86%EF%BC%A1--218_4241_4244.html#1-4) | | Q5： | [目前哪些負離子商品輻射超標？](https://www.aec.gov.tw/htmlprint/%E7%84%A6%E9%BB%9E%E5%B0%88%E5%8D%80/%E8%B2%A0%E9%9B%A2%E5%AD%90%E5%95%86%E5%93%81%E5%B0%88%E5%8D%80/%E8%B2%A0%E9%9B%A2%E5%AD%90%E5%95%86%E5%93%81%EF%BC%B1%EF%BC%86%EF%BC%A1--218_4241_4244.html#1-5) | | Q6： | [原能會有提供檢測服務嗎？](https://www.aec.gov.tw/htmlprint/%E7%84%A6%E9%BB%9E%E5%B0%88%E5%8D%80/%E8%B2%A0%E9%9B%A2%E5%AD%90%E5%95%86%E5%93%81%E5%B0%88%E5%8D%80/%E8%B2%A0%E9%9B%A2%E5%AD%90%E5%95%86%E5%93%81%EF%BC%B1%EF%BC%86%EF%BC%A1--218_4241_4244.html#1-6) | | Q7： | [我使用的商品是否添加天然放射性物質？](https://www.aec.gov.tw/htmlprint/%E7%84%A6%E9%BB%9E%E5%B0%88%E5%8D%80/%E8%B2%A0%E9%9B%A2%E5%AD%90%E5%95%86%E5%93%81%E5%B0%88%E5%8D%80/%E8%B2%A0%E9%9B%A2%E5%AD%90%E5%95%86%E5%93%81%EF%BC%B1%EF%BC%86%EF%BC%A1--218_4241_4244.html#1-7) | | Q8： | [我正使用負離子商品，是否可以繼續使用？](https://www.aec.gov.tw/htmlprint/%E7%84%A6%E9%BB%9E%E5%B0%88%E5%8D%80/%E8%B2%A0%E9%9B%A2%E5%AD%90%E5%95%86%E5%93%81%E5%B0%88%E5%8D%80/%E8%B2%A0%E9%9B%A2%E5%AD%90%E5%95%86%E5%93%81%EF%BC%B1%EF%BC%86%EF%BC%A1--218_4241_4244.html#1-8) | | Q9： | [如何確保不會買到含天然放射性物質之負離子商品？](https://www.aec.gov.tw/htmlprint/%E7%84%A6%E9%BB%9E%E5%B0%88%E5%8D%80/%E8%B2%A0%E9%9B%A2%E5%AD%90%E5%95%86%E5%93%81%E5%B0%88%E5%8D%80/%E8%B2%A0%E9%9B%A2%E5%AD%90%E5%95%86%E5%93%81%EF%BC%B1%EF%BC%86%EF%BC%A1--218_4241_4244.html#1-9) | | Q10： | [我已經買到輻射超標負離子商品，可以換貨、退貨、求償嗎？](https://www.aec.gov.tw/htmlprint/%E7%84%A6%E9%BB%9E%E5%B0%88%E5%8D%80/%E8%B2%A0%E9%9B%A2%E5%AD%90%E5%95%86%E5%93%81%E5%B0%88%E5%8D%80/%E8%B2%A0%E9%9B%A2%E5%AD%90%E5%95%86%E5%93%81%EF%BC%B1%EF%BC%86%EF%BC%A1--218_4241_4244.html#1-10) | | Q11： | [我在哪裡可以得到更多負離子商品的相關訊息？](https://www.aec.gov.tw/htmlprint/%E7%84%A6%E9%BB%9E%E5%B0%88%E5%8D%80/%E8%B2%A0%E9%9B%A2%E5%AD%90%E5%95%86%E5%93%81%E5%B0%88%E5%8D%80/%E8%B2%A0%E9%9B%A2%E5%AD%90%E5%95%86%E5%93%81%EF%BC%B1%EF%BC%86%EF%BC%A1--218_4241_4244.html#1-11) | |  | | | Q1：負離子是什麼？ | | | **答：離子（ion）是帶有電荷的原子、原子團或分子，是極小的微粒。帶正電的稱為正離子，帶負電的稱為負離子。 由於水分子是自然環境中最容易離子化的分子之一，因此一般稱環境中有較多負離子時，通常指的就是負離子化的水分子含量較高。** | | |  | | |  | | | Q2：負離子如何產生？哪種會有輻射？ | | | **答：目前有4種主要的負離子產生方式： (1)摩擦：當水分子從高處落下的時候，因與周圍空氣摩擦造成電荷分離，進而產生負離子，例如瀑布區、淋浴間。 (2)放電：雷雨時大氣分子發生電離，進而產生負離子，市面上常見的負離子吹風機、負離子清淨機即應用這原理，利用插電將空氣電離產生負離子。 (3)鍺飾品：利用鍺元素在一定溫度下，即可釋出外層電子的特性來產生負離子。 (4)添加鈾、釷、鐳等天然放射性物質，使空氣中的分子游離而產生負離子。 上述4種負離子產生方式中，只有利用天然放射性物質來產生負離子時，才會造成輻射曝露。** | | |  | | |  | | | Q3：何謂負離子商品？是否具有促進健康效果？ | | | 答：於商品中添加含天然放射性物質之負離子粉，藉以產生負離子，宣稱可淨化空氣、提高睡眠品質，甚至具有促進健康效果，惟目前尚未經客觀實際之科學驗證其功效。 | | |  | | |  | | | Q4：負離子商品如何產生輻射？對健康有何影響？ | | | 答：商品中添加天然放射性物質，除衰變造成體外輻射曝露外，同時亦產生具放射性之氡氣，使用商品民眾吸入氡氣後，造成體內輻射曝露，造成體內輻射曝露，進而造成呼吸系統疾病或增加罹癌風險，但若維持室內通風良好，則可有效避免氡氣滯留積聚，即可大幅降低罹病機率。  小知識： 自然界中的氡氣主要來自於土壤和岩石中少量的鈾系、釷系元素經衰變後而產生，因此環境多少都有氡氣的存在，所幸台灣住宅通風良好，且無鈾礦床，故不易發生高濃度氡氣聚積之情況。 當人體吸入氡氣時，因其衰變時產生的α粒子能量相當高，會造成肺部組織損害、細胞突變，並誘發肺癌。 | | |  | | |  | | | Q5：目前哪些負離子商品輻射超標？ | | | 答：原能會於107年針對市面上標榜具有負離子功能之床墊進行訪查偵測，經評估發現貝多麗生物科技公司販售之負離子床墊對人體輻射劑量最高達每年76.83毫西弗，展驛國際企業公司銷售之添加負離子粉薄型床墊對人體輻射劑量最高達每年3.65毫西弗，均已超過民眾年劑量限值（1 mSv）。 另行政院消費者保護處彙整經濟部標準檢驗局與衛生福利部食品藥物管理署抽檢負離子商品，經評估發現青松創意有限公司販售之負離子涼被對人體輻射劑量最高達每年7.05毫西弗，恩悠數位公司販售之雙面能量毯對人體輻射劑量最高達每年4.7毫西弗，金瑞發國際有限公司販售之聚光All IN ONE熱導膜對人體輻射劑量最高達每年1.884毫西弗，均已超過民眾年劑量限值（1 mSv）。 後續將持續掌握相關情資，並強化相關原料之源頭管理機制，以確保民眾安全。 | | |  | | |  | | | Q6：原能會有提供檢測服務嗎？ | | | **答：因氡氣無法直接使用手持式偵檢器進行快速檢測，負離子商品需送往專業實驗室進行檢測與評估才能確定是否超標，若您對持有之負離子商品有顧慮，請先向購買之廠商索取檢測證明，或洽核能研究所林小姐(03-4711400＃7965)詢問相關檢測事宜。** | | |  | | |  | | | Q7：我使用的商品是否添加天然放射性物質？ | | | 答：一般商品不需要添加天然放射性物質，若您購買的商品標榜具有負離子功能，則有可能添加天然放射性物質。 原能會已針對市面上標榜具有負離子功能之商品進行訪查偵測，經評估發現貝多麗生物科技公司販售之負離子床墊、展驛國際企業公司銷售之添加負離子粉薄型床墊、青松創意有限公司販售之負離子涼被、金瑞發國際有限公司販售之聚光All IN ONE熱導膜，其輻射劑量已超過民眾年劑量限值（1 mSv），請不要繼續使用，並聯繫廠商回收處理。 | | |  | | |  | | | Q8：我正使用負離子商品，是否可以繼續使用？ | | | 答：如您目前使用之負離子商品，屬於貝多麗生物科技公司販售之負離子床墊、展驛國際企業公司銷售之添加負離子粉薄型床墊、青松創意有限公司販售之負離子涼被、金瑞發國際有限公司販售之聚光All IN ONE熱導膜，請聯繫廠商回收處理。 若您使用中的負離子商品非屬上述廠商販售商品，請洽詢原廠商確認或向其索取輻射含量證明文件，以確保商品輻射劑量符合民眾年劑量限值（1 mSv）。 | | |  | | |  | | | Q9：如何確保不會買到含天然放射性物質之負離子商品？ | | | 答：一般商品不需添加天然放射性物質，若商品標榜具有釋放負離子的功能，即有添加天然放射性物質之可能，建議購買時可詢問店家進行確認，必要時可請店家出具商品輻射劑量證明文件。 | | |  | | |  | | | Q10：我已經買到輻射超標負離子商品，可以換貨、退貨、求償嗎？ | | | 答： (1)政府將依消保法要求販售超標負離子商品之廠商採取下架、回收等必要處置。 (2)已購買民眾請檢附購買證明、保證書等文件，逕向廠商辦理換貨、退貨或求償事宜，如有爭議得向企業經營者、消費者保護團體或消費者服務中心提出申訴；如未獲妥適處理時，得向直轄市、縣（市）政府消費者保護官申訴。（消費者保護法第43條） (3)前項申訴如仍未能獲得妥適處理，得向直轄市或縣（市）消費者調解委員會申請調解。（消費者保護法第44條） (4)如有其他負離子粉消費諮詢疑問，可撥打原能會免費服務專線0800-088-722、0800-088-728，將有專人為您服務。 | | |  | | |  | | | Q11：我在哪裡可以得到更多負離子商品的相關訊息？ | | | 答：如果您欲了解更多負離子商品相關訊息，可至原能會負離子商品專區（[https://www.aec.gov.tw >焦點專區 >負離子商品專區）](https://www.aec.gov.tw/category/%E7%84%A6%E9%BB%9E%E5%B0%88%E5%8D%80/%E8%B2%A0%E9%9B%A2%E5%AD%90%E5%BA%8A%E5%A2%8A%E5%B0%88%E5%8D%80/218_4241.html)。 | | | | | |  | | |
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